| Substitute for Form 1449 A & B/PTO | Complete if Known | | |
|--|------------------------|------------------------------|--|
| Substitute for Form 1449 A & B/FTO | Application Number | 10/050,518 | |
| INFORMATION DISCLOSURE | Confirmation Number | 7763 | |
| | Filing Date | January 18, 2002 | |
| E CONTRACTOR OF THE PARTY OF TH | First Named Inventor | Masaaki NANAUMI | |
| (use as many sheets as necessary) | · Art Unit | 1745 | |
| Comment of the | Examiner Name | Not yet assigned TSANGFUSTER | |
| Sheet 1 of 1 | Attorney Docket Number | Q68110 | |

| | U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|--------------------------|----------|-----------------------------------|------------------|---|--|--|
| Examiner Initials* | Cite No. ¹ | Document | | Publication Date | | | |
| | | Number | Kind Code ² (if known) | MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | | |
| | | US | | | | | |
| | | US | | | | | |
| | | US | | | • | | |
| | | US | | | | | |
| - | | US | | | | | |
| | | 45 | | | | | |
| | | US | | 1 | | | |
| | | US | | | | | |
| | | US | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|--------------|------------------------------|---------------------|-----------------------------------|------------------|-----------------------------|--------------------------|
| Examiner Initials* | Cite No.1 | Foreign Patent Document | | | Publication Date | Name of Patentee or | |
| | | Country Code ³ | Number ⁴ | Kind Code ^s (if known) | MM-DD-YYYY | Applicant of Cited Document | Translation ⁶ |
| 11 | | JP | 10-334922 | | 12/18/1998 | HITACHI LTD | Abstract |
| 7.0 | | | | | | 0 | 1-11 |
| | | (7) | | | | F. 2 | m |
| | | | | | | 10 6 | C |
| | | | <u> </u> | | | . 0 1 | |
| | | | | | | | 40 |
| | | | | | | | |
| | | | | | | . 22 | 79 |
| | | <u> </u> | | | | 00 | |
| | | | | | | 3 | |
| | | | | | | · | |
| | | | | | | 4 . | |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | | | |
|---|---|--|--------------|--|--|
| Examiner Cite Initials* No.1 | | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published. | | | |
| | | | | | |
| | | | | | |
| | 1 | | | | |
| | | | | | |
| | 1 | | | | |

| Examiner Signature | Sury I | sane to | La Date Considered | 1/24/2004 |
|--------------------|--------|---------|--------------------|-----------|
| | 7 | 7 | | |

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.